

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

BOHM ET AL.

CASE NO.: FA1022 US PCT

APPLICATION NO.: UNKNOWN

GROUP ART UNIT: UNKNOWN

FILED: CONCURRENTLY HEREWITH

EXAMINER: UNKNOWN

FOR: COATING COMPOSITION FOR METAL
CONDUCTORS AND COATING PROCESS
INVOLVING THE USE THEREOF

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, DC 20231

Sir:

Before examination of the above-referenced application,
please amend the application as follows:

IN THE CLAIMS:

Please cancel claims 1-12.

Please add the following claims:

13. A coating composition for electrical conductors, comprising:

- (A) 1-60 wt.% of at least one reactive particle, said reactive particles having an average radius ranging from 1nm to 300nm, wherein said reactive particles are based on an element-oxygen network, and wherein the elements are selected from the group consisting of aluminum, tin, boron, germanium, gallium, lead, the transition metals, the lanthanides and actinides;
- (B) 0-90 wt.% of at least one conventional binder; and
- (C) 0-95 wt.% of at least one conventional additive, solvent, pigment and/or filler;

wherein the element-oxygen network of said reactive particles has at least one reactive function R₁ and optionally at least one non-reactive and/or at least one partially reactive functions R₂ and R₃ bound by way of an oxygen of the element

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